

CONSOLIDATED CHECKLIST C5  
Part 5 of 5 parts

Standards for Owners and Operators of Hazardous Waste Treatment,  
Storage, and Disposal Facilities  
40 CFR Part 264, Subparts CC-DD, as of June 30, 1996  
as published in the July 1, 1996 CFR

Notes:

1) Consolidated Checklist C5 is divided into five separate documents/computer files solely for ease of handling its printed and electronic versions. Consolidated Checklist C5 remains one checklist; States must adopt all five portions simultaneously to correctly use this Consolidated Checklist. Note, the prenotes and endnotes associated with each part have been placed with the part to which they apply.

2) Subpart CC was added by the December 6, 1994, rule (59 FR 62896-62953; rule 154.1). This subpart was revised by rules published on May 19, 1995, (60 FR 26828-26829; rule 154.2); September 29, 1995, (60 FR 50426-50430; rule 154.3); November 13, 1995, (60 FR 56952-56954; rule 154.4); February 9, 1996, (4903-4916; rule 154.5); and June 5, 1996, (61 FR 28508-28510; rule 154.6). The applicable provisions of all these rules are included in Revision Checklist 154 which is a consolidation of all the rules associated with the organic air emission standards for tanks, surface impoundments, and container requirements. EPA strongly recommends States wait to adopt Revision Checklist 154 in its entirety (including all rules published through November 25, 1996) rather than adopting these rules as represented on this consolidated checklist.

FEDERAL REQUIREMENTS	CHECKLIST REFERENCE	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:			
				EQUIV- ALENT	LESS STRIN- GENT	MORE STRIN- GENT	BROADER IN SCOPE

PART 264 - STANDARDS FOR OWNERS AND OPERATORS OF HAZARDOUS WASTE TREATMENT,  
STORAGE, AND DISPOSAL FACILITIES

SUBPART CC - AIR EMISSIONS STANDARDS FOR TANKS,  
SURFACE IMPOUNDMENTS, AND CONTAINERS

1 APPLICABILITY

2 264, Subpart CC requirements apply to owners/operators of all facilities that treat, store, or dispose of hazardous waste in tanks, surface impoundments, or containers except as in 264.1 & 264.1080(b)	154.1	264.1080(a)					
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CONSOLIDATED CHECKLIST C5  
40 CFR Part 264, Subparts CC-DD, as of June 30, 1996 (cont'd)

FEDERAL REQUIREMENTS	CHECKLIST REFERENCE	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:			
				EQUIV- ALENT	LESS STRIN- GENT	MORE STRIN- GENT	BROADER IN SCOPE
264, Subpart CC requirements do not apply to the following waste management units at the facility:	154.1	264.1080(b)					
waste management unit that holds hazardous waste placed in it before October 6, 1996 & to which none is added on or after this date	154.1 154.2 154.4 154.6	264.1080(b)(1)					
container with design capacity of less than or equal to 0.1 m <sup>3</sup>	154.1	264.1080(b)(2)					
tank to which an owner/operator has stopped adding hazardous waste & has begun implementing or completed closure pursuant to plan	154.1	264.1080(b)(3)					
surface impoundment in which owner/operator has stopped adding hazardous waste & has begun implementing or completed closure pursuant to plan	154.1	264.1080(b)(4)					

CONSOLIDATED CHECKLIST C5  
40 CFR Part 264, Subparts CC-DD, as of June 30, 1996 (cont'd)

FEDERAL REQUIREMENTS	CHECKLIST REFERENCE	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:			
				EQUIV- ALENT	LESS STRIN- GENT	MORE STRIN- GENT	BROADER IN SCOPE
waste management unit used solely for on-site treatment or storage of hazardous waste generated from remedial activities	154.1	264.1080(b)(5)					
waste management unit used solely for management of radioactive mixed waste	154.1	264.1080(b)(6)					
for owners/operators of a facility subject to 264, Subpart CC & who have received a final permit before October 6, 1996, 264, Subpart CC requirements are incorporated into a permit when reissued or reviewed; until such date owner/operator is subject to 265, Subpart CC requirements	154.1 154.2 154.4 154.6	264.1080(c)					

CONSOLIDATED CHECKLIST C5  
40 CFR Part 264, Subparts CC-DD, as of June 30, 1996 (cont'd)

FEDERAL REQUIREMENTS	CHECKLIST REFERENCE	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:			
				EQUIV- ALENT	LESS STRIN- GENT	MORE STRIN- GENT	BROADER IN SCOPE
administrative stay of subpart CC requirements, with exception of 264.1089(i), for tanks or containers used to manage hazardous waste from organic peroxide manufacturing & associated laboratory operations when owner/operator meets the specified conditions	154.3	264.1080(d)					
	154.3	264.1080(d)(1)					
	154.3	264.1080(d)(2)					
	154.3	264.1080(d)(3)					

1 DEFINITIONS

264, Subpart CC terms have meanings given them in 265.1081, the Act, & Parts 260-266	154.1	264.1081					
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1 STANDARDS: GENERAL

264.1082 applies to management of hazardous waste in tanks, surface impoundments, & containers subject to 264, Subpart CC	154.1	264.1082(a)					
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CONSOLIDATED CHECKLIST C5  
40 CFR Part 264, Subparts CC-DD, as of June 30, 1996 (cont'd)

FEDERAL REQUIREMENTS	CHECKLIST REFERENCE	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:			
				EQUIV- ALENT	LESS STRIN- GENT	MORE STRIN- GENT	BROADER IN SCOPE
the owner or operator shall control air emissions from each waste management unit in accordance with 264.1084 through 264.1087, except as provided in 264.1082(c)	154.1	264.1082(b)					
a waste management unit is exempted from standards specified in 264.1084 through 264.1087 if it meets either of the following conditions:	154.1	264.1082(c)					
the average VO concentration of hazardous waste at the point of origination is less than 100 ppmw; how the VO concentration shall be determined	154.1	264.1082(c)(1)					
the organic content of the hazardous waste has been reduced by an organic destruction or removal process that achieves any one of the following conditions:	154.1	264.1082(c)(2)					

CONSOLIDATED CHECKLIST C5  
40 CFR Part 264, Subparts CC-DD, as of June 30, 1996 (cont'd)

FEDERAL REQUIREMENTS	CHECKLIST REFERENCE	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:			
				EQUIV- ALENT	LESS STRIN- GENT	MORE STRIN- GENT	BROADER IN SCOPE
process that removes or destroys organics to level such that average VO concentration at the point of treatment < the exit concentration limit established for the process; how average VO concentration is determined	154.1	264.1082(c)(2)(i)					
a process that removes or destroys the organics to a level such that the organic reduction efficiency is equal to or greater than 95 percent and the average VO concentration of the hazardous waste at the point of waste treatment is less than 50 ppmw; how the organic reduction efficiency and the average VO concentration will be determined	154.1	264.1082(c)(2)(ii)					

CONSOLIDATED CHECKLIST C5  
40 CFR Part 264, Subparts CC-DD, as of June 30, 1996 (cont'd)

FEDERAL REQUIREMENTS	CHECKLIST REFERENCE	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:			
				EQUIV- ALENT	LESS STRIN- GENT	MORE STRIN- GENT	BROADER IN SCOPE
process that removes or destroys organics to level such that actual organic mass removal rate $\geq$ required organic mass removal rate established for the process; how required organic mass removal rate & actual organic mass removal rate are determined	154.1, 154.5	264.1082(c)(2)(iii)					
biological process that destroys or degrades organics contained in hazardous waste such that either of following conditions is met:	154.1	264.1082(c)(2)(iv)					
the organic reduction efficiency for the process is equal to or greater than 95 percent and the organic biodegradation efficiency for the process is equal to or greater than 95 percent; how the organic reduction efficiency and the biodegradation efficiency shall be determined	154.1	264.1082(c)(2)(iv) (A)					

CONSOLIDATED CHECKLIST C5  
40 CFR Part 264, Subparts CC-DD, as of June 30, 1996 (cont'd)

FEDERAL REQUIREMENTS	CHECKLIST REFERENCE	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:			
				EQUIV- ALENT	LESS STRIN- GENT	MORE STRIN- GENT	BROADER IN SCOPE
total actual organic mass biodegradation rate for hazardous waste treated by the process $\geq$ required organic mass removal rate; how organic mass removal rate & actual mass biodegradation rate are determined	154.1	264.1082(c)(2)(iv) (B)					
a process that removes or destroys the organics contained in the hazardous waste and meets all of the specified conditions	154.1	264.1082(c)(2)(v)					
	154.1	264.1082(c)(2)(v) (A)					
	154.1	264.1082(c)(2)(v) (B)					
	154.1	264.1082(c)(2)(v) (C)					
a hazardous waste incinerator for which the owner or operator has either:	154.1	264.1082(c)(2)(vi)					
been issued a final permit, and designs and operates the unit in accordance with the requirements of 264, Subpart O, or	154.1	264.1082(c)(2)(vi) (A)					
has certified compliance with the interim status requirements of 265, Subpart O	154.1	264.1082(c)(2)(vi) (B)					



CONSOLIDATED CHECKLIST C5  
40 CFR Part 264, Subparts CC-DD, as of June 30, 1996 (cont'd)

FEDERAL REQUIREMENTS	CHECKLIST REFERENCE	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:			
				EQUIV- ALENT	LESS STRIN- GENT	MORE STRIN- GENT	BROADER IN SCOPE
a boiler or industrial furnace for which the owner or operator has either:	154.1	264.1082(c)(2)(vii)					
been issued a final permit, and designs and operates the unit in accordance with the requirements of 266, Subpart H, or	154.1	264.1082(c)(2)(vii) (A)					
has certified compliance with the interim status requirements of 266, Subpart H	154.1	264.1082(c)(2)(vii) (B)					
when a process is used that meets one of the sets of conditions specified in 264.1082(c)(2)(i)-(v), each material removed from or exiting the process that is a hazardous waste managed under 264.1082(b)	154.1, 154.5	264.1082(d)					

CONSOLIDATED CHECKLIST C5  
40 CFR Part 264, Subparts CC-DD, as of June 30, 1996 (cont'd)

FEDERAL REQUIREMENTS	CHECKLIST REFERENCE	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:			
				EQUIV- ALENT	LESS STRIN- GENT	MORE STRIN- GENT	BROADER IN SCOPE
the Regional Administrator may perform, or request the owner or operator perform, a waste determination for a hazardous waste managed in a tank, surface impoundment, or container exempted from using air emission controls under the provisions of 264.1082 as follows:	154.1	264.1082(e)					
the waste determination for average VO concentration of a hazardous waste at the point of waste origination shall be performed using direct measurement in accordance with the applicable requirements of 264.1083(a); how the waste determination will be performed	154.1	264.1082(e)(1)					

CONSOLIDATED CHECKLIST C5  
40 CFR Part 264, Subparts CC-DD, as of June 30, 1996 (cont'd)

FEDERAL REQUIREMENTS	CHECKLIST REFERENCE	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:			
				EQUIV- ALENT	LESS STRIN- GENT	MORE STRIN- GENT	BROADER IN SCOPE
if the owner or operator is requested to perform the waste determination, the Regional Administrator may elect to have an authorized representative observe the collection of hazardous waste samples used for the analysis	154.1	264.1082(e)(2)					
if the results of the waste determination performed or requested by the Regional Administrator do not agree with the results of a wastes determination performed by the owner or operator, then the results of the waste determination performed under 264.1082(e)(1) shall be used to establish compliance	154.1	264.1082(e)(3)					

CONSOLIDATED CHECKLIST C5  
40 CFR Part 264, Subparts CC-DD, as of June 30, 1996 (cont'd)

FEDERAL REQUIREMENTS	CHECKLIST REFERENCE	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:			
				EQUIV- ALENT	LESS STRIN- GENT	MORE STRIN- GENT	BROADER IN SCOPE
if averaging period of greater than 1 hour was used to determine the average VO concentration of a hazardous waste at the point of origination, the Regional Administrator can establish 264, Subpart CC compliance by performing or requesting that the owner or operator perform a waste determination based on samples collected within a 1-hour period using direct measurement as specified in 264.1082(e)(4)(i)-(iii)	154.1	264.1082(e)(4)					
	154.1	264.1082(e)(4)(i)					
	154.1	264.1082(e)(4)(ii)					
	154.1	264.1082(e)(4)(iii)					

1 WASTE DETERMINATION PROCEDURES

waste determination procedure for average VO concentration of a hazardous waste at the point of origination	154.1	264.1083(a)					
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CONSOLIDATED CHECKLIST C5  
40 CFR Part 264, Subparts CC-DD, as of June 30, 1996 (cont'd)

FEDERAL REQUIREMENTS	CHECKLIST REFERENCE	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:			
				EQUIV- ALENT	LESS STRIN- GENT	MORE STRIN- GENT	BROADER IN SCOPE
average VO concentration at point of waste origination shall be determined for each hazardous waste placed in a unit exempted under 264.1082(c)(1) from using air emission controls in accordance with 264.1084-1087	154.1, 154.5	264.1083(a)(1)					
the VO concentration at the point of waste origination shall be determined in accordance with 265.1084(a)(2)-(6)	154.1	264.1083(a)(2)					
waste determination procedures for treated hazardous waste	154.1	264.1083(b)					
owner/operator shall perform applicable waste determination for each treated hazardous waste placed in a unit exempted under 264.1082(c)(2) from using air emission controls in accordance with 264.1084-1087	154.1, 154.5	264.1083(b)(1)					

CONSOLIDATED CHECKLIST C5  
40 CFR Part 264, Subparts CC-DD, as of June 30, 1996 (cont'd)

FEDERAL REQUIREMENTS	CHECKLIST REFERENCE	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:			
				EQUIV- ALENT	LESS STRIN- GENT	MORE STRIN- GENT	BROADER IN SCOPE
the waste determination for a treated hazardous waste shall be performed in accordance with 265.1084(b)(2)-(10)	154.1	264.1083(b)(2)					
procedure to determine maximum organic vapor pressure of hazardous waste in a tank	154.1	264.1083(c)					
an owner or operator shall determine the maximum organic vapor pressure for each hazardous waste placed in tanks using air emission controls in accordance with 264.1084(c)	154.1	264.1083(c)(1)					
the maximum organic vapor pressure of the hazardous waste shall be determined in accordance with 265.1084(c)(2)-(4)	154.1	264.1083(c)(2)					

1 STANDARDS: TANKS

264.1084 applies to owner and operators of tanks subject to 264, Subpart CC, with the exception of the following:	154.1	264.1084(a)					
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CONSOLIDATED CHECKLIST C5  
40 CFR Part 264, Subparts CC-DD, as of June 30, 1996 (cont'd)

FEDERAL REQUIREMENTS	CHECKLIST REFERENCE	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:			
				EQUIV- ALENT	LESS STRIN- GENT	MORE STRIN- GENT	BROADER IN SCOPE
a tank in which all hazardous waste entering the tank meets the conditions specified in 264.1082(c), or	154.1	264.1084(a)(1)					
a tank used for the biological treatment of hazardous waste in accordance with 264.1082(c)(2)(iv)	154.1	264.1084(a)(2)					
hazardous waste shall be placed in one of the following tanks:	154.1	264.1084(b)					
a tank equipped with a cover that is vented as specified	154.1	264.1084(b)(1)					
a tank equipped with a fixed roof and internal floating roof	154.1	264.1084(b)(2)					
a tank equipped with an external floating roof	154.1	264.1084(b)(3)					
a pressure tank designed to operate as a closed system	154.1, 154.5	264.1084(b)(4)					

CONSOLIDATED CHECKLIST C5  
40 CFR Part 264, Subparts CC-DD, as of June 30, 1996 (cont'd)

FEDERAL REQUIREMENTS	CHECKLIST REFERENCE	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:			
				EQUIV- ALENT	LESS STRIN- GENT	MORE STRIN- GENT	BROADER IN SCOPE
as an alternative to complying with 264.1084(b), hazardous waste may be placed in a tank equipped with a cover meeting the requirements specified in (c)(2) when the hazardous waste is determined to meet all of the conditions specified in (c)(1)	154.1, 154.5	264.1084(c)					
	154.5	264.1084(c)(1)					
		264.1084(c)(1)(i)					
		264.1084(c)(1)(ii)					
		264.1084(c)(1)(iii)					
		264.1084(c)(1)(iv)					
		264.1084(c)(1)(iv)(A)					
		264.1084(c)(1)(iv)(B)					
	154.1, 154.5	264.1084(c)(1)(iv)(C)					
	154.5	264.1084(c)(2)					
		264.1084(c)(2)(i)					
		264.1084(c)(2)(ii)					
		264.1084(c)(2)(iii)					
to comply with 264.1084(b)(1), the owner or operator shall design, install, operate, and maintain a cover that vents the organic vapors through a closed-vent system connected to a control device	154.1	264.1084(d)					



CONSOLIDATED CHECKLIST C5  
40 CFR Part 264, Subparts CC-DD, as of June 30, 1996 (cont'd)

FEDERAL REQUIREMENTS	CHECKLIST REFERENCE	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:			
				EQUIV- ALENT	LESS STRIN- GENT	MORE STRIN- GENT	BROADER IN SCOPE
the cover shall be designed and operated to meet the following requirements:	154.1	264.1084(d)(1)					
cover and all cover openings designed to operate with no detectable organic emissions when secured in a closed, sealed position	154.1	264.1084(d)(1)(i)					
each cover opening shall be secured in a closed, sealed position at all times that hazardous waste is in the tank; 264.1084(f) exception	154.1	264.1084(d)(1)(ii)					
the closed-vent system and control device shall be designed and operated in accordance with 264.1087	154.1	264.1084(d)(2)					
the owner or operator shall install, operate, and maintain enclosed pipes or other closed-systems (lists requirements for drain systems EPA considers "closed systems") to:	154.1, 154.5	264.1084(e)					

CONSOLIDATED CHECKLIST C5  
40 CFR Part 264, Subparts CC-DD, as of June 30, 1996 (cont'd)

FEDERAL REQUIREMENTS	CHECKLIST REFERENCE	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:			
				EQUIV- ALENT	LESS STRIN- GENT	MORE STRIN- GENT	BROADER IN SCOPE
transfer all hazardous wastes to the tank from another tank, surface impoundment, or container except those hazardous wastes meeting the conditions in 264.1082(c)	154.1	264.1084(e)(1)					
transfer all hazardous wastes from the tank to another tank, surface impoundment, or container except those hazardous wastes meeting the conditions in 264.1082(c)	154.1	264.1084(e)(2)					
each cover opening shall be secured in a closed, sealed position at all times except when it is necessary to use the cover opening to:	154.1	264.1084(f)					
add, remove, inspect, or sample the material in the tank,	154.1	264.1084(f)(1)					
inspect, maintain, repair, or replace equipment located inside the tank, or	154.1	264.1084(f)(2)					

CONSOLIDATED CHECKLIST C5  
40 CFR Part 264, Subparts CC-DD, as of June 30, 1996 (cont'd)

FEDERAL REQUIREMENTS	CHECKLIST REFERENCE	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:			
				EQUIV- ALENT	LESS STRIN- GENT	MORE STRIN- GENT	BROADER IN SCOPE
vent gases or vapors from the tank to a closed-vent system connected to a control device designed and operated in accordance with 264.1087	154.1	264.1084(f)(3)					
one or more safety devices which vent directly to the atmosphere may be used on the tank, cover, closed-vent system, or control device provided each device meets all of the 264.1084(g) (1)&(2) conditions	154.1	264.1084(g)					
	154.1	264.1084(g)(1)					
	154.1	264.1084(g)(2)					

1 STANDARDS: SURFACE IMPOUNDMENTS

264.1085 applies to owner and operators of surface impoundments subject to 264, Subpart CC, except the following:	154.1	264.1085(a)					
a surface impoundment in which all hazardous waste entering the surface impoundment meets the conditions specified in 264.1082(c), or	154.1	264.1085(a)(1)					

CONSOLIDATED CHECKLIST C5  
40 CFR Part 264, Subparts CC-DD, as of June 30, 1996 (cont'd)

FEDERAL REQUIREMENTS	CHECKLIST REFERENCE	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:			
				EQUIV- ALENT	LESS STRIN- GENT	MORE STRIN- GENT	BROADER IN SCOPE
a surface impoundment used for the biological treatment of hazardous waste in accordance with 264.1082(c)(2)(iv)	154.1	264.1085(a)(2)					
hazardous waste shall be placed into a surface impoundment equipped with a cover that is vented through a closed-vent system to a control device meeting the requirements specified in 264.1085(d)	154.1	264.1085(b)					
as an alternative to complying with 264.1085(b), hazardous waste may be placed in a surface impoundment equipped with a floating membrane cover meeting the requirements of 264.1085(e) when the hazardous waste is determined to meet all of the 264.1085(c)(1)-(3) conditions	154.1	264.1085(c)					
	154.1	264.1085(c)(1)					
	154.1	264.1085(c)(2)					
	154.1	264.1085(c)(3)					

CONSOLIDATED CHECKLIST C5  
40 CFR Part 264, Subparts CC-DD, as of June 30, 1996 (cont'd)

FEDERAL REQUIREMENTS	CHECKLIST REFERENCE	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:			
				EQUIV- ALENT	LESS STRIN- GENT	MORE STRIN- GENT	BROADER IN SCOPE
to comply with 264.1085(b), the owner or operator shall design, install, operate, and maintain a cover that vents the organic vapors through a closed-vent system connected to a control device	154.1, 154.5	264.1085(d)					
the cover shall be designed and operated to meet the following requirements:	154.1	264.1085(d)(1)					
cover designed to operate with no detectable organic emissions when all cover openings are secured in a closed, sealed position	154.1	264.1085(d)(1)(i)					
each cover opening shall be secured in the closed, sealed position at all times except as noted in 264.1085(g)	154.1	264.1085(d)(1)(ii)					
the closed vent-system and control device shall be designed and operated in accordance with 264.1087	154.1	264.1085(d)(1)(iii)					

CONSOLIDATED CHECKLIST C5  
40 CFR Part 264, Subparts CC-DD, as of June 30, 1996 (cont'd)

FEDERAL REQUIREMENTS	CHECKLIST REFERENCE	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:			
				EQUIV- ALENT	LESS STRIN- GENT	MORE STRIN- GENT	BROADER IN SCOPE
to comply with 264.1085(c), the owner or operator shall designed, install, operate, and maintain a floating membrane cover that meets all the requirements of 265.1086(e)(1)-(4)	154.1	264.1085(e)					
the owner or operator shall install, operate, and maintain enclosed pipes or other closed-systems (lists requirements for drain system EPA considers a "closed system") to:	154.1, 154.5	264.1085(f)					
transfer all hazardous wastes to the surface impoundment from another tank, surface impoundment, or container subject to 264, Subpart CC, except those hazardous wastes meeting the 264.1082(c) conditions	154.1	264.1085(f)(1)					

CONSOLIDATED CHECKLIST C5  
40 CFR Part 264, Subparts CC-DD, as of June 30, 1996 (cont'd)

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transfer all hazardous wastes from the surface impoundment to another tank, surface impoundment, or container subject to 264, Subpart CC, except those hazardous wastes meeting the 264.1082(c) conditions	154.1	264.1085(f)(2)					
each cover opening shall be secured in the closed, sealed position at all times except when it is necessary to use the cover opening to:	154.1	264.1085(g)					
add, remove, inspect, or sample the material in the surface impoundment,	154.1	264.1085(g)(1)					
inspect, maintain, repair, or replace equipment located underneath the cover, or	154.1	264.1085(g)(2)					
remove treatment residues from the surface impoundment	154.1	264.1085(g)(3)					

CONSOLIDATED CHECKLIST C5  
40 CFR Part 264, Subparts CC-DD, as of June 30, 1996 (cont'd)

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				EQUIV- ALENT	LESS STRIN- GENT	MORE STRIN- GENT	BROADER IN SCOPE
vent gases or vapors from the surface impoundment to a closed-vent system connected to a control device designed and operated in accordance with 264.1087	154.1	264.1085(g)(4)					
one or more safety devices that vent directly to the atmosphere may be installed on the cover, closed-vent system, or control device provided each device meets all conditions specified at 264.1085(h) (1)&(2)	154.1	264.1085(h)					
	154.1	264.1085(h)(1)					
	154.1	264.1085(h)(2)					
<b>1 STANDARDS: CONTAINERS</b>							
264.1086 applies to the owners and operators of containers having design capacities greater than 0.1 m <sup>3</sup> except for a container in which all the hazardous waste entering the container meets the conditions specified in 264.1082(c)	154.1	264.1086(a)					



CONSOLIDATED CHECKLIST C5  
40 CFR Part 264, Subparts CC-DD, as of June 30, 1996 (cont'd)

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hazardous waste in containers shall be managed using the following procedures:	154.1	264.1086(b)					
hazardous waste shall be placed in one of the following containers except when a container is used for hazardous waste treatment in accordance with 264.1086(b)(2):	154.1, 154.5	264.1086(b)(1)					

CONSOLIDATED CHECKLIST C5  
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FEDERAL REQUIREMENTS	CHECKLIST REFERENCE	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:			
				EQUIV- ALENT	LESS STRIN- GENT	MORE STRIN- GENT	BROADER IN SCOPE
a container that is equipped with a cover which operates with no detectable organic emissions when all container openings are secured in a closed, sealed position; each opening is tested for leaks in accordance with Method 21 in 40 CFR Part 60, appendix A the first time any portion of the hazardous waste is placed into the container; if a leak is detected and cannot be repaired immediately, the hazardous waste shall be removed and the container shall not be used to meet the requirements of 264.1086(b) until the leak is repaired and the container retested	154.1	264.1086(b)(1)(i)					
a container having a design capacity less than or equal to 0.46 m <sup>3</sup> that is equipped with a cover and complies with all applicable DOT regulations	154.1	264.1086(b)(1)(ii)					

CONSOLIDATED CHECKLIST C5  
40 CFR Part 264, Subparts CC-DD, as of June 30, 1996 (cont'd)

FEDERAL REQUIREMENTS	CHECKLIST REFERENCE	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:			
				EQUIV- ALENT	LESS STRIN- GENT	MORE STRIN- GENT	BROADER IN SCOPE
a container that is managed in accordance with 49 CFR 178	154.1	264.1086(b)(1)(ii)(A)					
a lab pack that is managed in accordance with 49 CFR 178	154.1	264.1086(b)(1)(ii)(B)					
a container that is attached to or forms a part of any truck, trailer, or railcar and that has been demonstrated within the preceding 12 months to be organic vapor tight	154.1	264.1086(b)(1)(iii)					
hazardous waste treated in a container by either a waste stabilization process, any process that requires the addition of heat to the waste, or any process that produces an exothermic reaction shall meet the following requirements:	154.1	264.1086(b)(2)					

CONSOLIDATED CHECKLIST C5  
40 CFR Part 264, Subparts CC-DD, as of June 30, 1996 (cont'd)

FEDERAL REQUIREMENTS	CHECKLIST REFERENCE	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:			
				EQUIV- ALENT	LESS STRIN- GENT	MORE STRIN- GENT	BROADER IN SCOPE
whenever the container is opened during the treatment process, the container shall be located inside an enclosure that is vented through a closed-vent system to a control device	154.1	264.1086(b)(2)(i)					
the enclosure is designed and operated in accordance with the following requirements:	154.1	264.1086(b)(2)(ii)					
there shall be sufficient airflow to capture organic vapors and vent the vapors through the closed-vent system to the control device	154.1	264.1086(b)(2)(ii) (A)					
the enclosure may have permanent or temporary openings for specified reasons	154.1, 154.5	264.1086(b)(2)(ii) (B)					
the enclosure shall be designed and operated in accordance with criteria for a permanent enclosure in "Procedure T" in Appendix B of 40 CFR 52.741	154.5	264.1086(b)(2) (ii)(C)					

CONSOLIDATED CHECKLIST C5  
40 CFR Part 264, Subparts CC-DD, as of June 30, 1996 (cont'd)

FEDERAL REQUIREMENTS	CHECKLIST REFERENCE	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:			
				EQUIV- ALENT	LESS STRIN- GENT	MORE STRIN- GENT	BROADER IN SCOPE
the closed-vent system and control device shall be designed and operated in accordance with 264.1087	154.1	264.1086(b)(2)(iii)					
transfer of waste into or from a container must minimize waste exposure to the atmosphere; examples of container loading procedures	154.1, 154.5	264.1086(b)(3)					
removed	154.1, 154.5	264.1086(b)(3)(i)					
		264.1086(b)(3)(i)(A)					
		264.1086(b)(3)(i)(B)					
		264.1086(b)(3)(i)(C)					
		264.1086(b)(3)(ii)					
each container opening shall be secured in a closed, sealed position at all times except when it is necessary have it open during procedures to:	154.1, 154.5	264.1086(c)					
add, remove, inspect, or sample the material in the container;	154.1	264.1086(c)(1)					

CONSOLIDATED CHECKLIST C5  
40 CFR Part 264, Subparts CC-DD, as of June 30, 1996 (cont'd)

FEDERAL REQUIREMENTS	CHECKLIST REFERENCE	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:			
				EQUIV- ALENT	LESS STRIN- GENT	MORE STRIN- GENT	BROADER IN SCOPE
inspect, maintain, repair, or replace equipment located inside the container; or	154.1	264.1086(c)(2)					
vent gases or vapors from a cover located over or enclosing an open container to a closed-vent system connected to a control device designed and operated in accordance with 264.1087	154.1	264.1086(c)(3)					
one or more safety devices that vent directly to the atmosphere may be used on the container, cover, enclosure, closed-vent system, or control device provided each device meets all of the conditions specified at 264.1086(d)(1)&(2)	154.1	264.1086(d)					
	154.1	264.1086(d)(1)					
	154.1	264.1086(d)(2)					
1 STANDARDS: CLOSED-VENT SYSTEMS AND CONTROL DEVICES							
264.1087 applies to closed-vent system & control device installed & operated to control air emissions	154.1	264.1087(a)					

CONSOLIDATED CHECKLIST C5  
40 CFR Part 264, Subparts CC-DD, as of June 30, 1996 (cont'd)

FEDERAL REQUIREMENTS	CHECKLIST REFERENCE	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:			
				EQUIV- ALENT	LESS STRIN- GENT	MORE STRIN- GENT	BROADER IN SCOPE
closed-vent system shall meet the following requirements:	154.1	264.1087(b)					
route gases, vapors, & fumes to a control device that meets the requirements specified in 264.1087(c)	154.1	264.1087(b)(1)					
designed & operated in accordance with 264.1033(k)	154.1	264.1087(b)(2)					
if the closed-vent system contains one or more bypass devices, the owner or operator shall meet the following requirements:	154.1	264.1087(b)(3)					
for each bypass device except as provided in 264.1087(b)(3)(ii), the owner or operator shall either:	154.1	264.1087(b)(3)(i)					
install, calibrate, maintain, and operate a flow indicator at the inlet that indicates at least every 15 minutes whether gas, vapor or fume flow is present in the bypass device, or	154.1	264.1087(b)(3)(i) (A)					

CONSOLIDATED CHECKLIST C5  
40 CFR Part 264, Subparts CC-DD, as of June 30, 1996 (cont'd)

FEDERAL REQUIREMENTS	CHECKLIST REFERENCE	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:			
				EQUIV- ALENT	LESS STRIN- GENT	MORE STRIN- GENT	BROADER IN SCOPE
secure a valve installed at the inlet to the bypass device in the closed position using a car-seal or lock-and-key type configuration; required inspections	154.1	264.1087(b)(3)(i)(B)					
low leg drains, high point bleeds, analyzer vents, open-ended valves or lines, and safety devices are not subject to the requirements of 264.1087(b)(3)(i)	154.1	264.1087(b)(3)(ii)					
control device shall meet the following requirements:	154.1	264.1087(c)					
control device shall be one of the following devices:	154.1	264.1087(c)(1)					
control device designed & operated to reduce total organic content of inlet vapor stream by at least 95%	154.1	264.1087(c)(1)(i)					
enclosed combustion device designed & operated in accordance with 264.1033(c)	154.1	264.1087(c)(1)(ii)					
flare designed & operated in accordance with 264.1033(d)	154.1	264.1087(c)(1)(iii)					



CONSOLIDATED CHECKLIST C5  
40 CFR Part 264, Subparts CC-DD, as of June 30, 1996 (cont'd)

FEDERAL REQUIREMENTS	CHECKLIST REFERENCE	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:			
				EQUIV- ALENT	LESS STRIN- GENT	MORE STRIN- GENT	BROADER IN SCOPE
the control device shall be operating at all times when gases, vapors, or fumes are vented through the closed-vent system to the control device	154.1	264.1087(c)(2)					
owner/operator using a carbon adsorption system shall operate & maintain control device in accordance with the following requirements:	154.1	264.1087(c)(3)					
following initial startup, all activated carbon shall be replaced with fresh carbon regularly in accordance with 264.1033(g) or (h)	154.1	264.1087(c)(3)(i)					
3 all carbon removed from control device shall be managed in accordance with 264.1033(m)	154.1, 154.5	264.1087(c)(3)(ii)					
owner/operator using a control device other than a thermal vapor incinerator, flare, boiler, process heater, condenser, or carbon adsorption system shall operate & maintain in accordance with 264.1033(j)	154.1	264.1087(c)(4)					

CONSOLIDATED CHECKLIST C5  
40 CFR Part 264, Subparts CC-DD, as of June 30, 1996 (cont'd)

FEDERAL REQUIREMENTS	CHECKLIST REFERENCE	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:			
				EQUIV- ALENT	LESS STRIN- GENT	MORE STRIN- GENT	BROADER IN SCOPE
demonstrate that control device achieves performance requirements of 264.1087(c)(1) as follows:	154.1	264.1087(c)(5)					
demonstrate, using a performance test as in 264.1087(c)(5)(iii) or design analysis as in 264.1087 (c)(5) (iv) for each control device except for the following:	154.1	264.1087(c)(5)(i)					
a flare	154.1	264.1087(c)(5)(i) (A)					
boiler or process heater with design input capacity of 44 megawatts or greater	154.1	264.1087(c)(5)(i) (B)					
boiler or process heater into which the vent stream is introduced with primary fuel	154.1	264.1087(c)(5)(i) (C)					
a boiler or process heater burning hazardous waste for which the owner or operator has been issued a final permit and designs and operates the unit in accordance with 266, Subpart H	154.1	264.1087(c)(5)(i) (D)					

CONSOLIDATED CHECKLIST C5  
40 CFR Part 264, Subparts CC-DD, as of June 30, 1996 (cont'd)

FEDERAL REQUIREMENTS	CHECKLIST REFERENCE	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:			
				EQUIV- ALENT	LESS STRIN- GENT	MORE STRIN- GENT	BROADER IN SCOPE
a boiler or process heater burning hazardous waste for which the owner or operator has certified compliance with interim status requirements of 266, Subpart H	154.1	264.1087(c)(5)(i)(E)					
owner/operator shall demonstrate the performance of each flare in accordance with 264.1033(e)	154.1	264.1087(c)(5)(ii)					
for a performance test, owner/operator shall use test methods & procedures in 264.1034 (c)(1)-(4)	154.1	264.1087(c)(5)(iii)					
design analysis shall meet requirements specified in 264.1035(b)(4)(iii)	154.1	264.1087(c)(5)(iv)					
owner/operator shall demonstrate that carbon adsorption system achieves the 264.1087(c)(1) performance requirements	154.1	264.1087(c)(5)(v)					

CONSOLIDATED CHECKLIST C5  
40 CFR Part 264, Subparts CC-DD, as of June 30, 1996 (cont'd)

FEDERAL REQUIREMENTS	CHECKLIST REFERENCE	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:			
				EQUIV- ALENT	LESS STRIN- GENT	MORE STRIN- GENT	BROADER IN SCOPE
if owner/operator & Regional Administrator do not agree on a demonstration of control device performance using a design analysis, then disagreement shall be resolved using a performance test in accordance with 264.1087(c)(5)(iii); Regional Administrator may choose authorized representative to observe	154.1	264.1087(c)(6)					

1 INSPECTION AND MONITORING REQUIREMENTS

264.1088 applies to an owner or operator using air emission controls in accordance with 264.1084-264.1087	154.1	264.1088(a)					
each cover shall be visually inspected and monitored for detectable organic emissions using procedures specified in 265.1089(f)(1)-(7) except as follows:	154.1	264.1088(b)					

CONSOLIDATED CHECKLIST C5  
40 CFR Part 264, Subparts CC-DD, as of June 30, 1996 (cont'd)

FEDERAL REQUIREMENTS	CHECKLIST REFERENCE	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:			
				EQUIV- ALENT	LESS STRIN- GENT	MORE STRIN- GENT	BROADER IN SCOPE
an owner or operator is exempted from performing a cover inspection and monitoring requirements for the following tank covers:	154.1	264.1088(b)(1)					
a tank internal floating roof that is inspected and monitored in accordance with 264.1091	154.1	264.1088(b)(1)(i)					
a tank external floating roof that is inspected and monitored in accordance with 264.1091	154.1	264.1088(b)(1)(ii)					
if the tank is buried partially or entirely underground, cover inspection and monitoring is required only for those portions of the tank cover and those connections to the tank cover or tank body that extend to or above the ground	154.1	264.1088(b)(2)					

CONSOLIDATED CHECKLIST C5  
40 CFR Part 264, Subparts CC-DD, as of June 30, 1996 (cont'd)

FEDERAL REQUIREMENTS	CHECKLIST REFERENCE	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:			
				EQUIV- ALENT	LESS STRIN- GENT	MORE STRIN- GENT	BROADER IN SCOPE
an owner or operator is exempted from performing the cover inspection and monitoring requirements for a container that meets all of the requirements in 264.1086(b)(1)(ii) or (iii)	154.1	264.1088(b)(3)					
an owner or operator is exempted from performing the cover inspection and monitoring requirements for an enclosure used to control air emissions in accordance with 264.1086(b)(2)	154.1	264.1088(b)(4)					
each closed-vent system shall be inspected and monitored in accordance with 264.1033(k)	154.1	264.1088(c)					

CONSOLIDATED CHECKLIST C5  
40 CFR Part 264, Subparts CC-DD, as of June 30, 1996 (cont'd)

FEDERAL REQUIREMENTS	CHECKLIST REFERENCE	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:			
				EQUIV- ALENT	LESS STRIN- GENT	MORE STRIN- GENT	BROADER IN SCOPE
each control device shall be inspected and monitored in accordance with 264.1033(f)(2) and (i); inspection of readings from monitoring devices; necessary corrective measures to ensure control device complies with 264.1087	154.1, 154.5	264.1088(d)					
a written plan and schedule shall be developed and implemented to perform all inspection and monitoring requirements; this plan shall be incorporated in the facility inspection plan	154.1	264.1088(e)					

1 RECORDKEEPING REQUIREMENTS

owners or operator subject to the requirements of 264, Subpart CC shall record and maintain the following information:	154.1	264.1089(a)					
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CONSOLIDATED CHECKLIST C5  
40 CFR Part 264, Subparts CC-DD, as of June 30, 1996 (cont'd)

FEDERAL REQUIREMENTS	CHECKLIST REFERENCE	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:			
				EQUIV- ALENT	LESS STRIN- GENT	MORE STRIN- GENT	BROADER IN SCOPE
documentation for each cover installed on a tank in accordance with 264.1084(b)(2) or (3); what information must be included; certification	154.1, 154.5	264.1089(a)(1)					
documentation for each floating membrane cover installed on a surface impoundment in accordance with 264.1085(c); what information must be included; certification	154.1	264.1089(a)(2)					
documentation for each enclosure used to control air emissions from containers in accordance with the requirement of 264.1086(b)(2)(i); what information must be included; certification	154.1	264.1089(a)(3)					



CONSOLIDATED CHECKLIST C5  
40 CFR Part 264, Subparts CC-DD, as of June 30, 1996 (cont'd)

FEDERAL REQUIREMENTS	CHECKLIST REFERENCE	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:			
				EQUIV- ALENT	LESS STRIN- GENT	MORE STRIN- GENT	BROADER IN SCOPE
documentation for each closed-vent system and control device installed in accordance with the requirements of 264.1087 that includes the information specified at 264.1089(a)(4)(i)-(iv)	154.1	264.1089(a)(4)					
	154.1	264.1089(a)(4)(i)					
	154.1	264.1089(a)(4)(ii)					
	154.1	264.1089(a)(4)(iii)					
	154.1	264.1089(a)(4)(iv)					
records for all Method 27 tests performed for each container used to meet the requirements of 264.1086(b)(1)(iii)	154.1	264.1089(a)(5)					
records for all visual inspections	154.1	264.1089(a)(6)					
records for all monitoring for detectable organic emissions	154.1	264.1089(a)(7)					
records of the date of each attempt to repair a leak, repair methods applied, and the date of successful repair	154.1	264.1089(a)(8)					
records for all continuous monitoring conducted	154.1	264.1089(a)(9)					

CONSOLIDATED CHECKLIST C5  
40 CFR Part 264, Subparts CC-DD, as of June 30, 1996 (cont'd)

FEDERAL REQUIREMENTS	CHECKLIST REFERENCE	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:			
				EQUIV- ALENT	LESS STRIN- GENT	MORE STRIN- GENT	BROADER IN SCOPE
records of the management of carbon removed from a carbon adsorption system	154.1	264.1089(a)(10)					
records for all inspections of each cover installed on a tank	154.1	264.1089(a)(11)					
an owner or operator electing to use air emission controls for a tank shall record the following information:	154.1	264.1089(b)					
date and time each waste sample is collected for direct measurement of maximum organic vapor pressure	154.1	264.1089(b)(1)					
results of each determination of maximum organic vapor pressure in a tank	154.1	264.1089(b)(2)					
records specifying the tank dimensions and design capacity	154.1	264.1089(b)(3)					
an owner or operator electing to use air emission controls for a tank shall record the information as required by 264.1091(c)	154.1	264.1089(c)					

CONSOLIDATED CHECKLIST C5  
40 CFR Part 264, Subparts CC-DD, as of June 30, 1996 (cont'd)

FEDERAL REQUIREMENTS	CHECKLIST REFERENCE	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:			
				EQUIV- ALENT	LESS STRIN- GENT	MORE STRIN- GENT	BROADER IN SCOPE
an owner or operator electing not to use air emission controls for a particular tank, surface impoundment, or container shall record information used for each waste determination in the facility operating log; if analysis results for waste samples are used for the waste determination, information regarding the date, time and location of sample collection shall be recorded	154.1	264.1089(d)					
an owner or operator electing to comply with 264.1082(c)(2) (vi) or (vii) shall record the identification number for the incinerator, boiler, or industrial furnace	154.1, 154.5	264.1089(e)					
an owner or operator designating a cover as unsafe or difficult to inspect and monitor shall record the following information in a log that is kept in the facility operating record:	154.1	264.1089(f)					

CONSOLIDATED CHECKLIST C5  
40 CFR Part 264, Subparts CC-DD, as of June 30, 1996 (cont'd)

FEDERAL REQUIREMENTS	CHECKLIST REFERENCE	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:			
				EQUIV- ALENT	LESS STRIN- GENT	MORE STRIN- GENT	BROADER IN SCOPE
a list of identification numbers for the tanks with covers that are unsafe to inspect and monitor; an explanation stating why the cover is unsafe; a plan and schedule for inspecting and monitoring the cover	154.1	264.1089(f)(1)					
a list of identification numbers for tanks with covers that are designated as difficult to inspect and monitor; an explanation stating why each cover is difficult to inspect and monitor; a plan and schedule for inspecting and monitoring each cover	154.1	264.1089(f)(2)					
all records required by 264.1089(a)-(f), except 264.1089(a)(1)-(4), shall be maintained in the operating record for a minimum of 3 years; records required by 264.1089(a)(1)-(4) shall be maintained until the air emission control equipment is replaced or no longer in service	154.1	264.1089(g)					

CONSOLIDATED CHECKLIST C5  
40 CFR Part 264, Subparts CC-DD, as of June 30, 1996 (cont'd)

FEDERAL REQUIREMENTS	CHECKLIST REFERENCE	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:			
				EQUIV- ALENT	LESS STRIN- GENT	MORE STRIN- GENT	BROADER IN SCOPE
owners or operators subject to the requirements of 264, Subpart CC and to the control device standards in 40 CFR Part 60, Subpart VV or 40 CFR 61, Subpart V may elect to demonstrate compliance by documentation either pursuant to 264, Subpart CC or to the provisions of 40 CFR Part 60, Subpart VV or 40 CFR 61, Subpart V, to the extent that such documentation duplicates the documentation required by 264.1089	154.1	264.1089(h)					
for tank or container not using air emission controls specified in 264.1084-264.1087 in accordance with 264.1080(d), owner/operator shall record & maintain the following:	154.3	264.1089(i)					

CONSOLIDATED CHECKLIST C5  
40 CFR Part 264, Subparts CC-DD, as of June 30, 1996 (cont'd)

FEDERAL REQUIREMENTS	CHECKLIST REFERENCE	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:			
				EQUIV- ALENT	LESS STRIN- GENT	MORE STRIN- GENT	BROADER IN SCOPE
list of individual organic peroxide compounds manufactured at the facility that meet 264.1080(d)(1) conditions	154.3	264.1089(i)(1)					
description of how hazardous waste containing organic peroxide compounds identified in 264.1089(i)(1) are managed in tanks & containers; the description shall include:	154.3	264.1089(i)(2)					
for tanks, sufficient information shall be provided to describe for each tank: a facility tank identification number, purpose and placement of the tank in the management train of this hazardous waste, and procedures used to ultimately dispose of the hazardous waste managed in the tanks	154.3	264.1089(i)(2)(i)					

CONSOLIDATED CHECKLIST C5  
40 CFR Part 264, Subparts CC-DD, as of June 30, 1996 (cont'd)

FEDERAL REQUIREMENTS	CHECKLIST REFERENCE	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:			
				EQUIV- ALENT	LESS STRIN- GENT	MORE STRIN- GENT	BROADER IN SCOPE
for containers, sufficient information shall be provided to describe: a facility identification number for each container or group of containers; purpose and placement of container(s) in the management train of this hazardous waste, and procedures used to ultimately dispose of the hazardous waste managed in the container(s)	154.3	264.1089(i)(2)(ii)					
why managing the hazardous waste containing organic peroxide compounds identified in 264.1089(i)(1) would create an undue safety hazard if specified air emission controls are installed & operated; include the following information:	154.3	264.1089(i)(3)					

CONSOLIDATED CHECKLIST C5  
40 CFR Part 264, Subparts CC-DD, as of June 30, 1996 (cont'd)

FEDERAL REQUIREMENTS	CHECKLIST REFERENCE	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:			
				EQUIV- ALENT	LESS STRIN- GENT	MORE STRIN- GENT	BROADER IN SCOPE
for tanks, sufficient information to explain how the use of the required air emission controls would affect the tank design features and the facility operating procedures currently used to prevent an undue safety hazard, and why installation of safety devices on the required air emission controls allowed under 264.1084(g) will not address those situations in which evacuation of tanks equipped with such controls is necessary and consistent with good engineering and safety practices	154.3	264.1089(i)(3)(i)					



CONSOLIDATED CHECKLIST C5  
40 CFR Part 264, Subparts CC-DD, as of June 30, 1996 (cont'd)

FEDERAL REQUIREMENTS	CHECKLIST REFERENCE	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:			
				EQUIV- ALENT	LESS STRIN- GENT	MORE STRIN- GENT	BROADER IN SCOPE
for containers, sufficient information to explain how the use of the required air emission controls would affect the container design features and handling procedures currently used to prevent an undue safety hazard, and why installation of safety devices on the required air emission controls will not address those situations in which evacuation of containers equipped with such controls is necessary and consistent with good engineering and safety practices	154.3	264.1089(i)(3)(ii)					

CONSOLIDATED CHECKLIST C5  
40 CFR Part 264, Subparts CC-DD, as of June 30, 1996 (cont'd)

FEDERAL REQUIREMENTS	CHECKLIST REFERENCE	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:			
				EQUIV- ALENT	LESS STRIN- GENT	MORE STRIN- GENT	BROADER IN SCOPE

1 REPORTING REQUIREMENTS

each owner or operator managing hazardous waste in a tank, surface impoundment, or container exempted from using air emissions controls in accordance with 264.1082(c) shall report to the Regional Administrator each occurrence when there is noncompliance with the conditions specified in 264.1082(c)(1) or (2); examples; a written report shall be submitted within 15 calendar days; the written report shall contain specified information; the report shall be signed and dated by an authorized representative of the owner or operator	154.1, 154.5	264.1090(a)					
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CONSOLIDATED CHECKLIST C5  
40 CFR Part 264, Subparts CC-DD, as of June 30, 1996 (cont'd)

FEDERAL REQUIREMENTS	CHECKLIST REFERENCE	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:			
				EQUIV- ALENT	LESS STRIN- GENT	MORE STRIN- GENT	BROADER IN SCOPE
each owner or operator using tank air emission controls in accordance with 264.1084(c) shall report to the Regional Administrator each occurrence when there is noncompliance with the conditions specified in 264.1084(c)(1)-(4); a written report shall be submitted within 15 calendar days; the written report shall contain specified information; the report shall be signed and dated by an authorized representative of the owner or operator	154.1	264.1090(b)					
4 owner/operator using control device in accordance with 264.1087 shall submit a semiannual written report except as in 264.1090(d); shall describe each occurrence in the past 6 mos. when either:	154.1 154.5	264.1090(c)					

CONSOLIDATED CHECKLIST C5  
40 CFR Part 264, Subparts CC-DD, as of June 30, 1996 (cont'd)

FEDERAL REQUIREMENTS	CHECKLIST REFERENCE	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:			
				EQUIV- ALENT	LESS STRIN- GENT	MORE STRIN- GENT	BROADER IN SCOPE
control device is operated continuously for 24 hours or longer in noncompliance with operating values defined in §264.1035(c)(4); or	154.1 154.5	264.1090(c)(1)					
flare is operated with visible emissions for 5 minutes or longer in two-hour period, as in §264.1033(d)	154.1 154.5	264.1090(c)(2)					
report include EPA ID#, facility name & address, explanation, & actions taken; signed & dated	154.1 154.5	264.1090(c)/ undesignated text after (c)(2)					
4 report to Regional Administrator is not required for 6-month period during which all control devices are operated such that:	154.1 154.5	264.1090(d)					
during no period of 24 hours or longer did a control device operate continuously in noncompliance with 264.1035(c)(4); &	154.1 154.5	264.1090(d)(1)					
no flare was operated with visible emissions for 5 minutes or longer in a two-hour period, as in 264.1033 (d)	154.1 154.5	264.1090(d)(2)					

CONSOLIDATED CHECKLIST C5  
40 CFR Part 264, Subparts CC-DD, as of June 30, 1996 (cont'd)

FEDERAL REQUIREMENTS	CHECKLIST REFERENCE	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:			
				EQUIV- ALENT	LESS STRIN- GENT	MORE STRIN- GENT	BROADER IN SCOPE
ALTERNATIVE CONTROL REQUIREMENTS FOR TANKS							
264.1091 applies to owners and operators of tanks electing to comply with 264.1084(b)(2) or (3)	154.1	264.1091(a)					
an owner or operator electing to comply with 264.1084(b)(2) shall design, install, operate, and maintain a fixed roof and internal floating roof that meet the requirements specified in 265.1091(a)(1)(i)-(ix)	154.1	264.1091(a)(1)					
an owner or operator electing to comply with 264.1084(b)(3) shall design, install, operate, and maintain an external floating roof that meets the requirements specified in 265.1091(a)(2)(i)-(iii)	154.1	264.1091(a)(2)					
the owner or operator may elect to comply with § 264.1084(b)(2) or (3) using alternative means of emission limitation in § 265.1091(a)(3)	154.5	264.1091(a)(3)					

CONSOLIDATED CHECKLIST C5  
40 CFR Part 264, Subparts CC-DD, as of June 30, 1996 (cont'd)

FEDERAL REQUIREMENTS	CHECKLIST REFERENCE	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:			
				EQUIV- ALENT	LESS STRIN- GENT	MORE STRIN- GENT	BROADER IN SCOPE
the owner or operator shall inspect and monitor the control equipment in accordance with the following requirements:	154.1	264.1091(b)					
for a tank equipped with a fixed roof and internal floating roof, the owner or operator shall perform the inspection and monitoring requirements specified in 265.1091(b)(1)	154.1	264.1091(b)(1)					
for a tank equipped with an external floating roof, the owner or operator shall perform the inspection and monitoring requirements specified in 265.1091(b)(2)	154.1	264.1091(b)(2)					
the owner or operator shall record the following information in the operating record:	154.1	264.1091(c)					

CONSOLIDATED CHECKLIST C5  
40 CFR Part 264, Subparts CC-DD, as of June 30, 1996 (cont'd)

FEDERAL REQUIREMENTS	CHECKLIST REFERENCE	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:			
				EQUIV- ALENT	LESS STRIN- GENT	MORE STRIN- GENT	BROADER IN SCOPE
for a tank equipped with a fixed roof and internal floating roof, the owner or operator shall record the information listed in 265.1091(c)(1)	154.1	264.1091(c)(1)					
for a tank equipped with an external floating roof, the owner or operator shall record the information listed in 265.1091(c)(2)	154.1	264.1091(c)(2)					

CONSOLIDATED CHECKLIST C5  
40 CFR Part 264, Subparts CC-DD, as of June 30, 1996 (cont'd)

FEDERAL REQUIREMENTS	CHECKLIST REFERENCE	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:			
				EQUIV- ALENT	LESS STRIN- GENT	MORE STRIN- GENT	BROADER IN SCOPE

SUBPART DD - CONTAINMENT BUILDINGS

APPLICABILITY

applies to owners/operators storing or treating hazardous waste in units designed and operated under 264.1101; effective February 18, 1993, but may notify Regional Administrator of earlier time; not subject to definition of land disposal in RCRA 3004(k) provided unit:	109	264.1100					
is a completely enclosed, self-supporting structure designed and constructed as specified	109	264.1100(a)					
has a primary barrier designed to withstand movement of personnel, wastes and handling equipment within unit	109	264.1100(b)					
if used to manage liquids:	109	264.1100(c)					



CONSOLIDATED CHECKLIST C5  
40 CFR Part 264, Subparts CC-DD, as of June 30, 1996 (cont'd)

FEDERAL REQUIREMENTS	CHECKLIST REFERENCE	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:			
				EQUIV- ALENT	LESS STRIN- GENT	MORE STRIN- GENT	BROADER IN SCOPE
primary barrier designed and constructed to prevent migration of hazardous constituents into barrier	109	264.1100(c)(1)					
liquid collection system to minimize accumulation of liquid on primary barrier	109	264.1100(c)(2)					
secondary containment system to prevent hazardous constituent migration into barrier; leak detection and liquid collection as specified; variance under 264.1101(b)(4)	109	264.1100(c)(3)					
controls to prevent fugitive dust emissions to meet 264.1101(c)(1)(iv) standards	109	264.1100(d)					
designed and operated to ensure containment and prevent tracking of materials from unit by personnel or equipment	109	264.1100(e)					

CONSOLIDATED CHECKLIST C5  
40 CFR Part 264, Subparts CC-DD, as of June 30, 1996 (cont'd)

FEDERAL REQUIREMENTS	CHECKLIST REFERENCE	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:			
				EQUIV- ALENT	LESS STRIN- GENT	MORE STRIN- GENT	BROADER IN SCOPE
DESIGN AND OPERATING STANDARDS							
all containment buildings must comply with following design standards:	109	264.1101(a)					
completely enclosed as specified	109	264.1101(a)(1)					
design and construction of floor, containment walls and secondary containment system; unit of sufficient structural strength to prevent collapse or failure; chemically compatible surfaces; standards for judging structural integrity requirements; when exception for light-weight doors and windows will apply:	109	264.1101(a)(2)					
provide effective barrier against fugitive dust emissions under 264.1101(c)(1)(iv)	109	264.1101(a)(2)(i)					
unit designed and operated so that wastes do not contact openings	109	264.1101(a)(2)(ii)					

CONSOLIDATED CHECKLIST C5  
40 CFR Part 264, Subparts CC-DD, as of June 30, 1996 (cont'd)

FEDERAL REQUIREMENTS	CHECKLIST REFERENCE	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:			
				EQUIV- ALENT	LESS STRIN- GENT	MORE STRIN- GENT	BROADER IN SCOPE
no placement of incompatible wastes or treatment reagents that could cause unit or secondary containment system to leak, corrode or otherwise fail	109	264.1101(a)(3)					
must have primary barrier designed to withstand movement of personnel, waste and handling equipment in unit during unit operating life, as appropriate for waste characteristics	109	264.1101(a)(4)					
requirements for hazardous waste containing free liquids or treated with free liquids:	109	264.1101(b)					
primary barrier to prevent migration of hazardous constituents into the barrier	109	264.1101(b)(1)					
liquid collection and removal system to minimize accumulation of liquid on primary barrier:	109	264.1101(b)(2)					
primary barrier sloped to drain liquids to collection system	109	264.1101(b)(2)(i)					

CONSOLIDATED CHECKLIST C5  
40 CFR Part 264, Subparts CC-DD, as of June 30, 1996 (cont'd)

FEDERAL REQUIREMENTS	CHECKLIST REFERENCE	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:			
				EQUIV- ALENT	LESS STRIN- GENT	MORE STRIN- GENT	BROADER IN SCOPE
liquids and waste collected and removed to minimize hydraulic head on containment system at earliest practicable time	109	264.1101(b)(2)(ii)					
secondary containment system to prevent hazardous constituent migration into barrier; leak detection and liquid collection as specified	109	264.1101(b)(3)					
what must be installed at a minimum to satisfy leak detection component of secondary containment system	109	264.1101(b)(3)(i)					
constructed with 1% or greater bottom slope	109	264.1101(b)(3)(i) (A)					
granular, synthetic, or geonet drainage materials as specified	109	264.1101(b)(3)(i) (B)					
if treatment conducted in building, treatment area designed to prevent releases to other portions of building	109	264.1101(b)(3)(ii)					

CONSOLIDATED CHECKLIST C5  
40 CFR Part 264, Subparts CC-DD, as of June 30, 1996 (cont'd)

FEDERAL REQUIREMENTS	CHECKLIST REFERENCE	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:			
				EQUIV- ALENT	LESS STRIN- GENT	MORE STRIN- GENT	BROADER IN SCOPE
secondary containment construction materials specifications; requirements for use of containment building as tank secondary containment system	109	264.1101(b)(3)(iii)					
for existing units other than 90-day generator units, Regional Administrator delay of secondary containment requirement if demonstrated that unit substantially meets Subpart DD standards; for demonstration, owner/operator must:	109	264.1101(b)(4)					
5 provide written notice by February 18, 1993; what notice must contain	109	264.1101(b)(4)(i)					
respond to Regional Administrator comments within 30 days	109	264.1101(b)(4)(ii)					
if approved, fulfill terms of revised plans	109	264.1101(b)(4)(iii)					
owners and operators of all containment buildings must:	109	264.1101(c)					

CONSOLIDATED CHECKLIST C5  
40 CFR Part 264, Subparts CC-DD, as of June 30, 1996 (cont'd)

FEDERAL REQUIREMENTS	CHECKLIST REFERENCE	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:			
				EQUIV- ALENT	LESS STRIN- GENT	MORE STRIN- GENT	BROADER IN SCOPE
use controls and practices to ensure containment of hazardous waste within unit; at a minimum:	109	264.1101(c)(1)					
maintain primary barrier as specified	109	264.1101(c)(1)(i)					
maintain level of stored/treated hazardous waste as specified	109	264.1101(c)(1)(ii)					
take measures to prevent tracking of hazardous waste out of unit; equipment decontamination area; rinsate collection and management	109	264.1101(c)(1)(iii)					
take measures to control fugitive dust emissions; maintain particulate collection devices as specified; when "no visible emissions" must be maintained	109	264.1101(c)(1)(iv)					

CONSOLIDATED CHECKLIST C5  
40 CFR Part 264, Subparts CC-DD, as of June 30, 1996 (cont'd)

FEDERAL REQUIREMENTS	CHECKLIST REFERENCE	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:			
				EQUIV- ALENT	LESS STRIN- GENT	MORE STRIN- GENT	BROADER IN SCOPE
certification by qualified registered professional engineer; for units in operation prior to February 18, 1993, certification placed in operating record or on-site files no later than 60 days after date of initial operation; after February 18, 1993, PE certification required prior to operation of unit	109	264.1101(c)(2)					
prompt repairs of unit throughout active life as specified, according to the following procedures:	109	264.1101(c)(3)					
6 detection of condition that has led to a release; leakage from primary barrier; owner or operator must:	109	264.1101(c)(3)(i)					
enter record of discovery in facility operating record	109	264.1101(c)(3)(i) (A)					
immediately remove portion of containment building affected by the condition from service	109	264.1101(c)(3)(i) (B)					

CONSOLIDATED CHECKLIST C5  
40 CFR Part 264, Subparts CC-DD, as of June 30, 1996 (cont'd)

FEDERAL REQUIREMENTS	CHECKLIST REFERENCE	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:			
				EQUIV- ALENT	LESS STRIN- GENT	MORE STRIN- GENT	BROADER IN SCOPE
determine steps to be taken for repair, remove leakage from secondary collection system and establish schedule for cleanup and repairs	109	264.1101(c)(3)(i)(C)					
within 7 days, notify Regional Administrator of condition; within 14 working days, provide written notice to Regional Administrator; what written notice must include	109	264.1101(c)(3)(i)(D)					
Regional Administrator must review notice, determine extent to which unit must be removed from service during repairs, and notify owner/operator of determination and rationale in writing	109	264.1101(c)(3)(ii)					



CONSOLIDATED CHECKLIST C5  
40 CFR Part 264, Subparts CC-DD, as of June 30, 1996 (cont'd)

FEDERAL REQUIREMENTS	CHECKLIST REFERENCE	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:			
				EQUIV- ALENT	LESS STRIN- GENT	MORE STRIN- GENT	BROADER IN SCOPE
written notification to Regional Administrator on completion of repair and cleanup; verification by a qualified, registered professional engineer that repairs and cleanup are in compliance with 264.1101(c)(3)(i)(D) plan	109	264.1101(c)(3)(iii)					
what must be inspected and recorded in facility's operating records, at least once every seven days	109	264.1101(c)(4)					
for containment buildings that contain areas both with and without secondary containment, the owner/operator must:	109	264.1101(d)					
design and operate each area in accordance with 264.1101(a)-(c) requirements	109	264.1101(d)(1)					
take measures to prevent release of liquids or wet materials into areas without secondary containment	109	264.1101(d)(2)					

CONSOLIDATED CHECKLIST C5  
40 CFR Part 264, Subparts CC-DD, as of June 30, 1996 (cont'd)

FEDERAL REQUIREMENTS	CHECKLIST REFERENCE	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:			
				EQUIV- ALENT	LESS STRIN- GENT	MORE STRIN- GENT	BROADER IN SCOPE
maintain in facility's operating log a written description of operating procedures used to maintain integrity of areas without secondary containment	109	264.1101(d)(3)					
Regional Administrator waiver of secondary containment requirements; what owner/operator must demonstrate	109	264.1101(e)					
CLOSURE AND POST-CLOSURE CARE							
what must be done at closure; closure plan, closure activities, cost estimates, and financial responsibility must meet all 264 Subpart G & H requirements	109	264.1102(a)					
if 264.1102(a) requirements met and not all contaminated subsoils can be removed or decontaminated, close facility and perform post-closure care as for landfill under 264.310; owner/operator must meet 264 Subpart G & H requirements for landfills	109	264.1102(b)					

CONSOLIDATED CHECKLIST C5  
40 CFR Part 264, Subparts CC-DD, as of June 30, 1996 (cont'd)

FEDERAL REQUIREMENTS	CHECKLIST REFERENCE	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:			
				EQUIV- ALENT	LESS STRIN- GENT	MORE STRIN- GENT	BROADER IN SCOPE
reserved	109	264.1103- 264.1110					

APPENDIX I TO PART 264

RECORDKEEPING INSTRUCTIONS

instructions for keeping portions of the operating record	*,131	Appendix I					
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APPENDIX IV TO PART 264

COCHRAN'S APPROXIMATION TO THE BEHRENS-FISHER STUDENTS' T-TEST

instructions for calculation of the t- test	*	Appendix IV					
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APPENDIX V TO PART 264

EXAMPLES OF POTENTIALLY INCOMPATIBLE WASTE

list of wastes and potential consequences of mixing	*	Appendix V					
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CONSOLIDATED CHECKLIST C5  
40 CFR Part 264, Subparts CC-DD, as of June 30, 1996 (cont'd)

FEDERAL REQUIREMENTS	CHECKLIST REFERENCE	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS:			
				EQUIV- ALENT	LESS STRIN- GENT	MORE STRIN- GENT	BROADER IN SCOPE

APPENDIX VI TO PART 264

POLITICAL JURISDICTIONS IN WHICH COMPLIANCE WITH §264.18(a) MUST BE DEMONSTRATED

political jurisdictions by state and city	*	Appendix VI					
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APPENDIX IX TO PART 264

GROUND-WATER MONITORING LIST

list of substances, suggested test methods, and practical quantitation limits	40	Appendix IX					
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- <sup>1</sup> Subpart CC was added by rule 154.1 and revised by rules 154.2 through 154.6. See the prenote for this checklist regarding State adoption of Revision Checklist 154.
- <sup>2</sup> At 264.1080(a) there is a typographical error in the Rule 154.1 Federal Register notice (59 FR 62896; December 6, 1994): "subparts" should be "subpart".
- <sup>3</sup> Note that there is an error in 264.1087(c)(3)(ii). Rule 154.5 (February 9, 1996; 61 FR 4903) replaced "§ 264.1033(m)" with "§ 264.1033(n)". It is likely the reference to 264.1033(n) should be to 264.1033(m) because 264.1033(n) does not exist.
- <sup>4</sup> Paragraphs 264.1090(c) and (d) were originally introduced by Rule 154.1 (December 6, 1994; 59 FR 62896). Rule 154.5 (February 9, 1996; 61 FR 4903) revised these paragraphs and divided the original text into subparagraphs. Note that the last two sentences from 264.1090(c) as introduced by Rule 154.1 were not removed by Rule 154.5. The sentences remain as undesignated text following 264.1090(c)(2).
- <sup>5</sup> Note that there is an error in the August 18, 1992 (57 FR 37194, Revision Checklist 109) Federal Register; the deadline for the written notice should be February 18, 1993, rather than November 16, 1992 as it appears in the Federal Register, in keeping with the effective date of these provisions, with the preamble to the rule at 57 FR 37215 (second full paragraph in the right-hand column), and with the similar provision under 265.1101(b)(4)(i). This error is reflected in the CFR beginning with the July 1, 1993, edition.
- <sup>6</sup> Note that there is a typographical error in the August 18, 1992 (57 FR 37194, Revision Checklist 109) Federal Register; "lead" should be "led."